

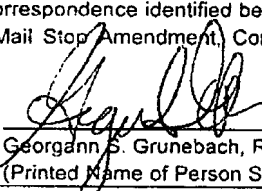
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Attention:	MAIL STOP AMENDMENT Group Art Unit: 2615 Examiner: FAULK, Devona E.	Fax:	(571) 273-8300
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone:	(571) 272-7515
Pages:	Cover + 5 + 5 = 11	Date:	August 8, 2007
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(Printed Name of Person Signing Certificate)

August 8, 2007
(Date of Signature)

Attention: Commissioner for Patents**Attorney Docket No. PD-202107**

Please find attached Re:

Serial No.: 10/660,952

Filing Date: September 12, 2003

➤ **INFORMATION DISCLOSURE STATEMENT (5 pages in duplicate)**

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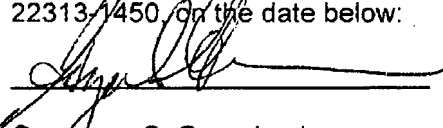
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SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (c)

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following allowed claims in a related patent application are submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

In the Claims:

1. (Previously presented) A system for null packet replacement in a broadcast data stream comprising:

a global scheduler for receiving data containing null packets from a broadcast source;

a plurality of self-managed queues in communication with said global scheduler;

means for implementing a data management policy for each self-managed queue in each of said plurality of self-managed queues wherein said policy has predefined rules for handling data to be communicated to said global scheduler, a predetermined self-managed queue identifies itself to said global scheduler as being available for service at said global scheduler when said predefined rules of said data management policy have been met;

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means for implementing an order of service policy in said global scheduler for determining the order each self-managed queue that has presented itself to the global scheduler as being serviceable will be serviced by the global scheduler, said order of service policy for said global scheduler being separate and distinct from each of said data management policies for said self-managed queues, data from said predetermined queue will replace the null packets in the broadcast data stream with background data thereby defining a modified broadcast data stream upon service of said self-managed queues by said global scheduler;

a receiver serving at least one client and receiving said modified broadcast stream through said global scheduler from said predetermined self-managed queue.

2. (Original) The system as claimed in claim 1 wherein said data management policy further comprises a set of rules internal to each queue whereby each queue is capable of determining when to present itself to said global scheduler for use by said global scheduler independent of each of the other queues and said order of service policy for said global scheduler.

3. (Original) The system as claimed in claim 2 wherein said data management policy further comprises a classification of data in said queue to be communicated to said global scheduler from said predetermined queue.

4. (Original) The system as claimed in claim 3 wherein said order of service policy is priority based and dependent on said classification of data.

5. (Original) The system as claimed in claim 1 wherein said order of service policy is round-robin for each queue in said plurality of queues.

6. (Previously presented) A method for null packet replacement in a broadcast data stream comprising the steps of:

receiving data from a broadcast source at a global scheduler, the data containing null packets, the global scheduler being in communication with a plurality of self-managed queues;

applying a data management policy in each self-managed queue, the data management policy being unique to each self-managed queue and having a set of predefined rules for determining a status of each self-managed queue, the self-managed queue assigning a "ready-to-run" status and a "not-ready-to-run" status to themselves depending on the set of predefined rules in its respective data management policy;

communicating the status of each self-managed queue to the global scheduler;

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applying an order of service policy at said global scheduler for determining the order to service each self-managed queue presenting itself to said global scheduler with a "ready-to-run" status, thereby defining a queue available for service at said global scheduler;

obtaining data from each queue available for service;

replacing null packets in the broadcast data stream with data obtained from each queue available for service.

7. (Original) The method as claimed in claim 6 wherein said step of applying a data management policy to each self-managed queue further comprises each self-managed queue independently determining its status regardless of the status of other queues.

8. (Original) The method as claimed in claim 6 further comprising the step of assigning a classification to data in each of said self-managed queues.

9. (Original) The method as claimed in claim 8 further comprising the step of using the assigned data classification in the order of service policy in the global scheduler.

10 (Previously presented) A method for replacing null packets in a broadcast data stream comprising the steps of:

checking the status of a self-managed queue in a plurality of self-managed queues at the self-managed queue;

announcing a "ready-to-run" status of a self-managed queue by the self-managed queue to a global scheduler;

considering a self-managed queue announced to the global scheduler as a "ready-to-run" status in a decision making analysis at said global scheduler for replacement of data;

replacing null packets in the data stream with data in the "ready-to-run" self-managed queue considered by the global scheduler;

announcing a "not-ready-to-run" status of a self-managed queue by the self-managed queue to a global scheduler;

re-checking the status of the self-managed queue after a predetermined amount of time until the self-managed queue identifies itself to the global scheduler as "ready-to-run."

11. (Original) The method as claimed in claim 10 wherein said step of announcing a "ready-to-run" status further comprises the step of applying a data management policy having a

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predefined set of rules for handling data, the "ready-to-run" status being announced upon the predefined set of rules being met; and

said step of announcing a "not-ready-to-run" status further comprises the step of applying a data management policy having a predefined set of rules for handling data, the "ready-to-run" status being announced upon less than all of the rules in the predefined set of rules being met.

12. (Original) The method as claimed in claim 11 further comprising the data management policy for each queue in the plurality of self-managed queues are independent of each other and not dependent upon the order of service policy for the global scheduler.

13. (Original) The method as claimed in claim 10 wherein the data in the queues to replace null packet data is background data in the broadcast data stream.

14. (Original) The method as claimed in claim 10 further comprising the steps of:
assigning a classification to the data in a "ready-to-run" self-managed queue; and
applying the data classification to the order of service policy used by the global scheduler.

The claims were allowed in a Notice of Allowance dated May 25, 2007 in related U.S. patent application serial number 10/192,960 filed July 10, 2002.

This statement should be considered because it is submitted after the mailing date of a first Office action on-the-merits, but before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application.

In accordance with 37 C.F.R. § 1.97 (c)(2), submitted herewith is the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement.

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of **\$180.00**. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

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Respectfully submitted,

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August 8, 2007